



**ELECTRICAL/COMPUTER ENGINEERING TECHNOLOGY - BROADCAST ENGINEERING TECHNOLOGY
SPECIALIZATION
SIX SEMESTER ASSOCIATE IN APPLIED SCIENCE DEGREE**

MAJOR CODE: EE138BE3

REQUIRED CREDIT HOURS: 67

CIP Code:15.0303

Program Description: The Electrical and Computer Engineering Technology program is a planned sequence of carefully developed college level courses designed to prepare students to work in the field of electronics and computer engineering technology. The program of study emphasizes the application of scientific, mathematic, and engineering knowledge and methods combined with technical skills in support of engineering activities. Program graduates will receive an Electronics and Computer Engineering Technology Associate of Applied Science degree, qualifying them as engineering technicians with a specialization in computer engineering technology, electronics engineering technology, instrumentation and control technology, or telecommunications engineering technology.

Number	Course Name	Credit Hours	Prerequisites/Corequisites
Technical Courses			
ECET 1101	Circuit Analysis I	4	Co-req: ENGT1000, MATH 1111
ECET 1110	Digital Systems I	4	Pre-req: ECET1101
ECET 2101	Circuit Analysis II	4	Pre-req: ECET1101, MATH1111
BCET 2121	Video and Audio Systems	4	Pre-req: ECET1110
BCET 2201	Digital Video and System Design	4	Pre-req: BCET2121
BCET 2202	RF Systems	4	Pre-req: BCET2201
BCET 2905	Broadcast Practicum/Internship	4	
ENGT 1000	Introduction to Engineering Technology	3	Pre-req: Program Instructor Approval
ENGT 2300	Capstone Project	1	Pre-req: Provisional Admission Pre-req: ECET2101
General Studies Courses			
ENGL 1101	Composition and Rhetoric	3	Pre-req: Appropriate Degree Level Reading and Writing (English) Placement Test Scores
MATH 1111	College Algebra	3	Pre-req: Appropriate placement test score or appropriate learning support exit point.
MATH 1113	Precalculus	3	Pre-req: Regular Admission, MATH1111
PHYS 1111	Introductory Physics I	3	Pre-req: ENGL1101, (MATH1112 or MATH1113) Co-req: PHYS1111L
PHYS 1111L	Introductory Physics Lab I	1	Pre-req: ENGL1101, (MATH1112 or MATH1113) Co-req: PHYS1111
Area II - Social / Behavioral Sciences Elective		3	Pre-req: See Catalog for Details
Area IV - Humanities / Fine Arts Elective		3	Pre-req: See Catalog for Details
Select one of the following course and lab pairs			
CHEM 1211	Chemistry 1	3	Pre-req: MATH1100, MATH1101, or MATH 1111 with a grade of "C" or better Co-req: CHEM1211L
CHEM 1211L	Chemistry I Lab	1	Pre-req: MATH1100, MATH1101, or MATH 1111 with a grade of "C" or better Co-req: CHEM1211L
PHYS 1112	Introductory Physics II	3	Pre-req: PHYS1111, PHYS111L
PHYS 1112L	Introductory Physics II Lab	1	Pre-req: PHYS1111, PHYS111L Co-req: PHYS1112
ECET 1210	Networking Systems I	4	Pre-req: ENGT1000
ECET 2120	Electronic Circuits II	4	Pre-req: ECET2101
XXXXXXXX	Technical Elective	4	

NOTES: Course descriptions are available in the college catalog which can be found online at <https://www.gptc.edu/catalog>. The curriculum is subject to modification to meet changing conditions.

Estimated Costs

Cost Item	#	Cost
Total Credits (\$89/credit) and Course Fees	67	\$5,990
Semester Fees (\$378/semester)	6	\$2,268
Books and Materials		<u>\$2,242</u>

Total Estimated Cost **\$10,508**

NOTES: Credit cost assumes 15 or less credits per semester and both the credit cost and fees can change over time (see <http://www.gptc.edu/index.html> for latest tuition rate and fees).
Books and materials are priced at current rates for new books from the college bookstore.

Gainful Employment Information: No gainful employment information available for this program.

As set forth in its student catalog, Georgia Piedmont Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, veteran status, or citizenship status(except in those special circumstances permitted or mandated by law). Contact Lisa Peters, the ADA Coordinator at 404-297-0522, ext. 1154, ADA504Coordinator@gptc.edu or at the main DeKalb campus, 495 N.Indian Creek Drive, Clarkston, GA 30021, Room A-170; or Dr. Debra Gordon, the Title IX Coordinator, at 404-297-9522, ext. 1176, TitleIXCoordinator@gptc.edu or at the main DeKalb campus, 495 N. Indian Creek Drive, Clarkson, GA 30021 Room A103 for assistance.For more information about our graduation rates and other important program information, please visit our website at <https://www.gptc.edu/gainfulemployment>.

Georgia Piedmont Technical College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award Associate of Applied Science degrees, diplomas and technical certificates of credit. Contact the [Commission on Colleges](#) at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Georgia Piedmont Technical College.The Commission should be contacted only if there is evidence that appears to support Georgia Piedmont Technical College's significant non-compliance with Commission requirements or standards. Inquiries related to normal and ongoing College operations such as admission requirements, financial aid, programs, etc., should be addressed directly to Georgia Piedmont Technical College and not to the Commission on Colleges.